

# ELMO

# CCD COLOR VIDEO CAMERA

## TSN410H



- 0.05 lx sensitivity at frame accumulation mode (64F)  
Frame rate is automatically adjusts to changing light conditions or can be set to fixed mode
- Remote control capability by RS-485  
(See back page for more information)
- The most advanced Digital Signal Processing circuitry
- More than 470TV(H) lines resolution
- On Screen Display Menu with camera ID display
- Full automatic tracing/manual white balance
- Auto/Manual electronic shutter



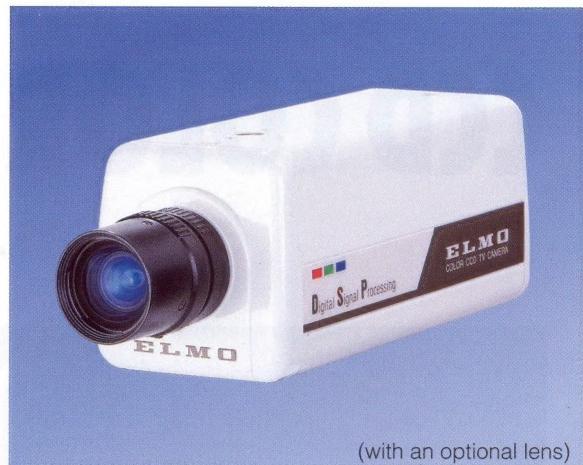
This product is manufactured at the ISO9002 certified factory of ELMO CO., LTD.  
Q 99012

**ELMO**  
Visualizing technology since 1921

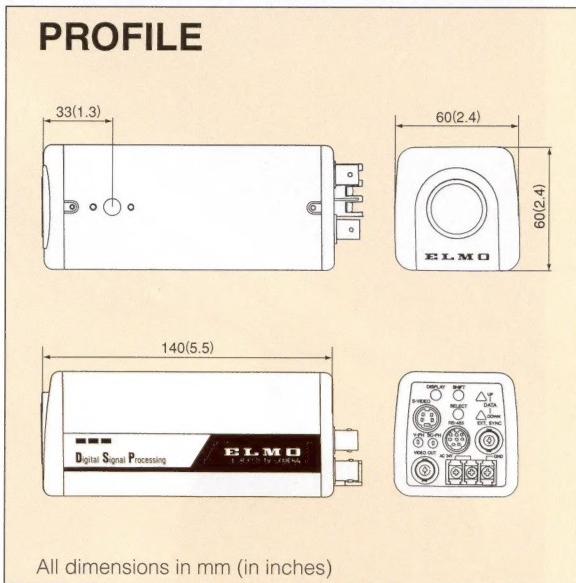
# SPECIFICATIONS

MODEL	TSN410H
Power source	AC 24V±10% 60Hz±0.5Hz
Power consumption	Approx.6.7W
Pick-up device	1/3" Color interline-transfer CCD
Effective picture element	768(H) X 494(V)
Scanning area	4.88mm(H) X 3.66mm(V)
Scanning system	2:1 interlaced
Scanning frequency (H)(V)	15.75kHz, 60Hz
Sync. system	Internal/External, Line-lock
Resolution	470TV lines (Horizontal), 350 TV lines (Vertical)
S/N ratio	More than 48dB
Minimum illumination	0.05 lx (F1.4 under incandescent lamp, w/Sens-up at 64F)
AGC	Built-in (18dB/12dB/6dB/OFF) (Factory-set at 12dB)
White balance	Auto/manual/PUSH (Factory-set at AUTO)
Electronic shutter	Auto/Fixed 1/60~1/10000 (Factory-set at OFF)
Backlight compensation	Provided (Factory-set at OFF)
On-Screen display menu (set-up menu)	AGC, White balance, BLC, AES, Electronic shutter, Sync Adjust, Video Adjust, ID,Character
Output signal	BNC VBS 1.0Vp-p, 75Ω
Y/C signal	S-VIDEO terminal
External sync. terminal	BNC VBS 1.0Vp-p, 75Ω
Auto-iris terminal	4P (DC/VIDEO)
Remote control	RS-485 8P miniDIN (half duplication)
Power terminal	3P terminal
Lens mount	CS
Ambient temperature	-10°C~+50°C(14°F~122°F)
Ambient humidity	30%~90%
Dimensions	60(W) X 60(H) X 140(D)mm (2.4 X 2.4 X 5.5 inches)
Weight	620g (1.4lbs)

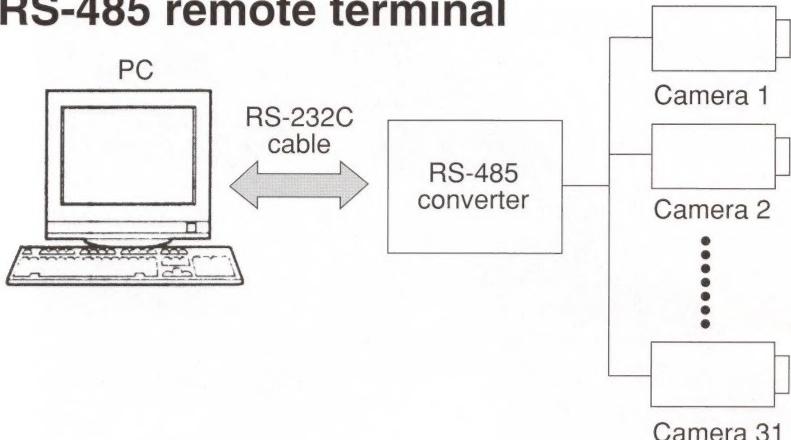
Design and specifications are subject to change without prior notice. Dimensions and weight are approximate.



(with an optional lens)



## RS-485 remote terminal



### RS-485 remote terminal

Up to 31 cameras can be daisy chained through RS-485 (I/O) remote terminals on each camera to a Max of 4000 feet. APC through an RS-485 converter can change all camera settings available on the OSD menu display.

**ELMO** **ELMO CO., LTD.**

Additional technical information is available from any of the following subsidiary companies;

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#### ELMO Canada Mfg. Corp.

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